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How to Use this Index

Every article appearing in *ENGINEERING NEWS-RECORD* is indexed with the exception of Briefs (such as "Labor Briefs", "Around the World", "Careers") and of Obituaries.

All articles are indexed **alphabetically** by subject. Under each heading entries are listed **chronologically** as they appeared.

Many important headings are divided into sub-headings e. g.: BRIDGES – geographically by states or countries; CITIES – by name; BUILDINGS – by type (Churches, Garages, etc.); LABOR – by subject (Contracts, Strikes, etc).

The latter part of this index contains AUTHORS, PERSONALITIES; COMPANIES. Here are listed the names of people who are the subject of articles, as well as names of authors of by-lined articles and published letters. Under the COMPANIES heading, equipment manufacturers' names will be found, also firms about which articles were written. Individuals or firms mentioned in feature articles dealing with various construction projects are seldom indexed by their names.

Items which describe new types of equipment are indexed twice: under the manufacturer's name in the COMPANIES section, and under the proper subject, e. g.: PLASTICS, or EQUIPMENT, • Drills.

Entries concerning only particular projects or firms are not repeated under the general heading. For example, an article about the Smith Construction Co. appears only in the COMPANIES section of the Index and will not be found under the heading: CONTRACTORS. A news item about bonds issued for Berkshire Thruway will be listed in the New York section of HIGHWAYS and will not be found under: CONSTRUCTION, •Financing, where general stories on bonds are listed.

See means that all entries on the subject will be found under another heading, thus:

EROSION see: SOIL

See also means that a related heading should also be checked, thus:

SEWAGE see also: WATER POLLUTION

The following abbreviations and signs are used:

RC — Reader Comment
CW — Construction Week
WO — Washington Observer
NP — New Product
e — Editorial
** — Article with many illustrations
* — Illustrated article (if asterisk precedes entry, reference is to a picture with caption only)

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BERGER, C. L. & SONS, BOSTON, MASS
Snap on level-rod target saves time on readings,*. NP p60 ..... Nov 8
BESLY-WELLES CORP, SOUTH BELOIT, ILL
De-icer keeps water ways open,*. NP p42 ..... Sep 27
BETHLEHEM STEEL CO, BETHLEHEM, PA
Fills top posts in construction division. p69 ..... Jul 19
Adds V steels to sheetpile shapes. NP p50 ..... Nov 22
BLAW KNOX CO, MATTOON, ILL
Finisher can spread itself to double its width,*. NP p58 ..... Jul 19
BLOUNT BROTHERS, MONTGOMERY, ALABAMA
Unusual jobs, unusually managed,**. p58 & cover ..... Sep 13
BOSTITCH INC, EAST GREENWICH, R. I.
Two-shot staple system fastens tile to gypsum. NP p52 ..... Dec 6
BRACO EQUIPMENT CO, OAK PARK, MICH
Breaker adapts to most cranes,*. NP p45 ..... Aug 2
BROS INC, MINNEAPOLIS, MINN
Soil stabilizer has micro-switch controls for hydraulic cylinders,*. NP p55 ..... Jul 5
Vibrating roller tested at Cougar Dam,*. NP p64 ..... Nov 15
BROWN & ROOT, HOUSTON, TEXAS
Industrial giant goes big time architect-engineer,*. Cover and p70 ..... Nov 15
President dies at 70. p23 ..... Nov 22
Will Halliburton Co. buy Brown & Root? CW p15 ..... Dec 13
Halliburton Co. buys Brown & Root. p204 ..... Dec 20
BUCYRUS ERIE CO, SOUTH MILWAUKEE, WIS
Quarry shovel is all-electric,*. NP p40 ..... Dec 13
CALWELD INC, LOS ANGELES, CAL
Shift auger pinpoints itself,*. NP p53 ..... Jul 12
CAPITOL STEEL CORP, NEW YORK, N. Y.
Clip positions column bars,*. NP p56 ..... Nov 29
CATERPILLAR TRACTOR CO., PEORIA, ILL
Introduces new scraper line. NP 140 ..... Sep 20
Boosts power of 572 pipelayer. NP p61 ..... Nov 8
CERTAIN-TEED PRODUCTS CORP, ARDMORE, PA
Installed in concrete floor slab, duct needs no encasement,*. NP p48 ..... Nov 1
CHALLENGE-COOK BROS, LOS ANGELES, CAL
Concrete mixing drum tilts with front end hoist. NP p40 ..... Dec 13
CHARLES MACHINE WORKS, PERRY, OKLA
Boring attachment fits trencher. NP p63 ..... Jul 19
CHICAGO PUMP, CHICAGO, ILL
Swing diffuser capacity boosted by long header. NP p55 ..... Jul 12
CLARK EQUIPMENT CO, BATTLE CREEK, MICH
Two high capacity fork lift trucks,*. NP p49 ..... Oct 11
Backhoe loader BL-60 is ready,*. NP p50 ..... Dec 6
CONSTRUCTION MACHINERY CO, WATERLOO, IOWA
Lever action earth drill bores horizontally. NP p61 ..... Nov 8
DILLON, (W.C.) CO, VAN NUYS, CAL
Load cell and read out meter for steel wire tension is prestressed concrete,*. NP p47 ..... Jul 26
DROTT MFG CO, MILWAUKEE, WIS
King size mobile straddle crane for piggyback loads. NP p55 ..... Jul 5
Yumbo backhoe and shovel,*. NP p55 ..... Nov 29
DuPONT DE NEMOURS CO, WILMINGTON, DEL
Tedlar film glued to bldg products. NP p47 ..... Jul 26
ELECTRIC PRODUCTS CO, CLEVELAND, OHIO
Liquid drive pump has no air tanks or compressors. NP p62 ..... Oct 18
ENGINEERS OF THE SOUTHWEST, HOUSTON, TEX
Three firms successfully operate consulting consortium,*. p53 ..... Jul 5
FLEXICORE CO, DAYTON, OHIO
Prestressed slab units available. NP p69 ..... Nov 15
FOSTER, L. B. CO, NEW YORK, N. Y.
French-made vibratory piledriver is fast,*. NP p49 ..... Sep 13
GALION IRON WORKS & MFG CO, GALION, OHIO
Tandem roller shifts its weight. NP p46 ..... Aug 2
GENERAL CONVERSION SYSTEMS CORP, SAN FERNANDO, CAL
Disposal system yields by-products from refuse, diag. NP p49 ..... Nov 1
GENERAL ELECTRIC CO, SCHENECTADY, N. Y.
Motors geared for automation,*. NP p61 ..... Oct 18
GENERAL MOTORS CORP, DETROIT, MICHIGAN
Chevrolet introduces '63 trucks,*. NP p51 ..... Sep 13
GLANTZ MFG CO, MINDEN, NEB
Survey chainman is mechanized,*. NP p64 ..... Nov 15
HAAS & HAYNIE, SAN FRANCISCO, CAL
CPM enthusiasts claim bonus benefits,*. p42 ..... Aug 9
HARNISCHFEGER CORP, MILWAUKEE, WIS
Cranes adapted to soft terrain,*. NP p63 ..... Jul 19
HALLIBURTON CO, DUNCAN, OKLA
Plan to buy Brown and Root. CW p15 ..... Dec 13
Company buys Brown and Root. p204 ..... Dec 20
HEEDE (B.M.) SOUTH SAN FRANCISCO, CALIF
Personnel lift reflects elevator design,*. NP p140 ..... Sep 20
HINDE ENGINEERING CO, HIGHLAND PARK, ILL
Plastic aeration tubing provides dissolved oxygen. NP p61 ..... Oct 18
HOUGH (FRANK G.) CO, LIBERTYVILLE, ILL
Shovel has hydrostatic drive. NP p115 ..... Dec 20
INFILCO, TUCSON, ARIZ
Diatomite pressure filter lined with epoxy resin. NP p69 ..... Nov 15
INGERSOLL-RAND CO, PHILLIPSBURG, N. J.
Battery powers portable wrench,*. NP p48 ..... Nov 1
INTEGRAPH SALES, SAN FRANCISCO, CAL
Pocket drafting aid takes off scaled areas. NP p50 ..... Oct 25
INTERNATIONAL HARVESTER, CHICAGO, ILL
Medium size integrated tractor-loader. NP p53 ..... Jul 12
TD30 heavyweight tractor adds power shift transmission. NP p45 ..... Aug 2
INTERNATIONAL UNDERWATER CONTRACTORS, INC.
Open New York office. p25 ..... Sep 6
IOWA MFG CO, CEDAR RAPIDS, IOWA
Rock Roller feeder scalps irregular material. NP p40 ..... Dec 13
JET-HEET INC, ENGLEWOOD, N. J.
High velocity air heats and cools,*. NP p90 ..... Oct 4
JOHNS MANVILLE CORP, NEW YORK, N. Y.
Will build, own and run water & sewage systems for developments. p21 ..... Aug 2
and e p 92 ..... Aug 16
Asbestos reinforced pipe withstands severe service. NP p62 ..... Oct 18
Epoxy lined transite pipe resists sewage corrosion. NP p60 ..... Nov 8
KOLMAN MFG, SIOUX FALLS, S. D.
Sturdier conveyor frame holds heavier accessories. NP p58 ..... Nov 29
KOPPERS CO, PITTSBURGH, PA
Adhesive backed roofing can be applied like tape,*. NP p5 ..... Jul 12
LAWRENCE MACHINE AND MFG CO, SEATTLE, WASH
Mining machine could bore rock,*. NP p58 ..... Nov 29
LeTOURNEAU INC, LONGVIEW, TEXAS
Big equipment maker makes smaller scrapers. CW p15 ..... Nov 29
LeTOURNEAU-WESTINGHOUSE CO, PEORIA, ILL
Elevating scraper made to match C tournapull. NP p44 ..... Dec 13

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LINK BELT SPEEDER CORP, CEDAR RAPIDS, IOWA
Three heavyweight models added to self propelled rubber tired utility cranes. NP p45 ..... Aug 2
LOCK JOINT PIPE CO, EAST ORANGE, N. J.
Merges with Gladding McBean to form International Pipe & Ceramics Corp. p69 ..... Oct 11
LOMART PERFECTED DEVICES, BROOKLYN, N. Y.
Machine draws perspective views. NP p50 ..... Dec 6

LORD MFG CO, ERIE, PA
Flexible fenders cushion piers,*. NP p56 ..... Nov 29
LUMACON CORP, TOLEDO, OHIO
Illuminated plastic markers help to channel traffic,*. NP p49 ..... Dec 6
MACK TRUCKS INC, PLAINFIELD, N. J.
Concrete mixer chassis powered by Diesel engine. NP p64 ..... Jul 19
MELROE MFG CO, GWINNER, N. D.
Rotary attachment turns loader into snowplow. NP p45 ..... Dec 13
METAL & THERMIT CORP, RAHWAY, N. J.
Iron powder electrodes weld low alloy steels. NP p49 ..... Dec 6
MIDLAND PRODUCTS CO, MIDLAND PARK, N. J.
Self priming centrifugals can pump trash,**. NP p42 ..... Sep 27
Industrial pump line for rapid repairs. NP p69 ..... Nov 15
MINNEAPOLIS-HONEYWELL REGULATOR CO, MINNEAPOLIS, MINN
Two stage thermostat controls heating and cooling. NP p52 ..... Dec 6
MINNESOTA MINING AND MFG CO, ST. PAUL, MINN
Weather resistant tape seals bldg joints. p55 ..... Nov 29
MOTOROLA INC, CHICAGO, ILL
Lightweight FM radio aids field communication. NP p61 ..... Nov 8

NALCO CHEMICAL CO, CHICAGO, ILL
Soft sea water cuts calcification. NP p58 ..... Jul 19
NATIONAL GYPSUM CO, BUFFALO, N.Y.
Vinyl surfaced drywall is base for ceramic tile,*. NP p59 ..... Nov 8

PATERSON-KELLEY CO, EAST STROUDSBURG, PA
Compact water heater needs no storage tank,*. NP p50 ..... Oct 25
PENBERTHY MFG CO, PROPHETSTOWN, ILL
Hopper-ejector speeds explosives loading,*. NP p49 Oct 11
PENDRILL MFG DIVISION, see: PENNSYLVANIA DRILLING CO.
PENNSYLVANIA DRILLING CO, PITTSBURGH, PA
Pumps designed for drilling. NP p53 ..... Jul 12
PERINI CORP, FRAMINGHAM, MASS
Sells interest in Milwaukee Braves. CW p13 ..... Nov 22
PHILADELPHIA RESINS CO, PHILADELPHIA, PA
Concrete epoxy coating resists chemicals and wear. NP p62 ..... Oct 18

RAIN JET CORP, BURBANK, CALIF
Heavy duty sediment separator clears fluid lines. NP p58 ..... Nov 29
REPUBLIC STEEL CORP, CLEVELAND, OHIO
Plastic lined steel pipe deters internal corrosion. NP p51 ..... Oct 25
ROCKWELL MFG CO, PITTSBURGH, PA
Simple compact valves have low head losses. NP p88 ..... Oct 4
RUBEROID CO, NEW YORK, NEW YORK
Reflective film tops roof. NP p54 ..... Sep 6

SAVIDGE SPECIALTIES, VENICE, CALIF
Gas driven drill shuns power lines,*. NP p51 ..... Oct 25
SIMPLEX WIRE & CABLE, PORTSMOUTH, N. H.
Armored submarine pipe will bend with the tide. NP p88 ..... Oct 4

SKYLINE PLASTIC PIPE INC, TITUSVILLE, PA
Lightweight pipe of perforated rigid vinyl plastic,*. NP p46 ..... Aug 2
SMITH-GATES CORP, FARMINGTON, CONN
Electric snow melting mats paved into driveway. NP p59 ..... Nov 8
SMITH & LOVELESS, KANSAS CITY, MO
Pre-printed curves speed pump design,*. NP p63 ..... Jul 19
STUDEBAKER CORP, MINNEAPOLIS, MINN
Diesel electric plant for heavy construction applications. NP p45 ..... Dec 13
TEER CO. (NELLO L.), DURHAM, N. C.
Asks $1.7m damages against Superior Stone Div. of Martin-Marietta. p77 ..... Dec 6
TELLUROMETER INC, WASHINGTON D.C.
Soil tester is lighter, smaller,*. NP p46 ..... Aug 2
Transistors simplify surveying instrument. NP p50 ..... Nov 22
THEW SHOVEL CO, LORAIN, OHIO
Moto-crane is a 20 ton shovel unit. NP p50 ..... Dec 6
TUBULAR STRUCTURES CORP. OF AMERICA, LOS ANGELES, CAL
Scaffold components standardized,*. NP p55 ..... Jul 5
TURBO-DYNAMICS INC, NEW YORK, N. Y.
Turbo-jet engine melts snow. NP p88 ..... Oct 4
UNION BAG-CAMP PAPER CORP, NEW YORK, N.Y.
Prefab forms for beam voids,*. NP p40 ..... Aug 9
U.S. GYPSUM CO, CHICAGO, ILL
Multiply wallboard forms fireproofing,*. NP p49 ..... Nov 22
U.S. STEEL, NEW YORK, N.Y.
Stronger sheet piling available. NP p56 ..... Nov 29
WILLIAMS BROS CO, TULSA, OKLA
Heavy and pipeline construction co. buys Western Pipe Line Inc. of Texas. p65 ..... Jul 5

WILLYS MOTORS INC, TOLEDO, OHIO
Overhead camshaft engine. NP p55 ..... Jul 5
WORTHINGTON CORP, HARRISON, N. J.
Centrifugal pump parts are replaceable from stock. NP p52 ..... Dec 6